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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Patrick KNEBEL

Examiner: Huisman, David J.

Serial No.: 09/496,844

Art Unit: 2183

Filed: 02/02/2000

For: (As Amended) METHOD AND COMPUTER SYSTEM FOR
DECOMPOSING MACROINSTRUCTIONS INTO
MICROINSTRUCTIONS AND EXECUTING THE
MICROINSTRUCTIONS SIMULTANEOUSLY

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Commissioner of Patents
Washington, D.C. 20231

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PRELIMINARY AMENDMENT AND RESPONSE

Sir:

In response to the December 20, 2002, Office Action, Applicant hereby requests continuing examination of the referenced application and encloses the requisite filing fee. In accordance with the RCE, please amend the above-identified application as follows:

In the Claims:

Please cancel claim 16 without prejudice or disclaimer.

Please amend claims 1, 10, and 12 to read as follows:

- B1. Sub 1/
1. (Twice Amended) A method for processing software instructions comprising:
 - decomposing a macroinstruction into a plurality of microinstructions,
 - issuing all of the plurality of microinstructions simultaneously, in parallel,
 - executing all of the plurality of microinstructions simultaneously, in lockstep using functional units in a floating point unit,
 - determining whether an exception occurs in any of the microinstructions, before writing results of the executing to result registers, and
 - if an exception occurs in any of the microinstructions, canceling all of the microinstructions and preventing the results of the executing from being written to the result registers, and
 - if no exception occurs in any of the microinstructions, writing the results of the executing to the result registers.